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TEST REPORT

Project	Construction of Multi Utility Building for Allalsandra Swimming Pool in Ward No. 04
Clients	Bruhat Bangalore Mahanagara Palike
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	M/S, KRIDL Banglore

SIEVE ANALYSIS

Total Weight:	**3000** gms		
Type of Material	**Fine aggregate (River Sand/M sand)**	**Proposed Use**	Concrete
Sample Location	At Plant/site	**Date of Sampling**	24/05/18
		Date of Testing	24/05/18

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	**100**
4.75 mm	210	210	7.00	93.00	**90 - 100**
2.36 mm	312	522	17.40	82.60	**75 - 100**
1.18 mm	430	952	31.73	68.27	**55 - 90**
0.600 mm	490	1442	48.07	51.93	**35 -59**
0.300 mm	800	2242	74.73	25.27	**8-30**
0.150 mm	560	2802	93.40	6.60	**0 - 10**
Pan	198	3000			-

Remarks : Satisfactory / Not Satisfactory

Consultant's Representative

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TEST REPORT

Project	Construction of Multi Utility Building for Allalsandra Swimming Pool in Ward No. 04
Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	M/S, KRIDL Banglore

SPECIFIC GRAVITY AND WATER ABSORPTION
FINE AGGREGATE (IS-2386-PART-3)

Type of Material	**Sand/M sand**	**Proposed Use**	Concrete
Location/Source	**At Plant/site**	**Date of Sampling**	24/05/18
Period of Soaking	**24 hours**	**Date of Testing**	24/05/18

Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	Average
A	Weight of sturated surface dry sample gm.	641	632	638	
B	Weight of oven - dry sample gm.	633	624	630	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1680	1670	1675	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.682	2.633	2.647	**2.654**
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.264	1.282	1.270	**1.272**

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SIEVE ANALYSIS

Total Weight:	**3000** gms				
Type of Material	**Fine aggregate (River Sand/M sand)**		**Proposed Use**	Concrete	
Sample Location	At Plant/site		**Date of Sampling**	24/05/18	
			Date of Testing	24/05/18	
IS Sieve Size	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing (Zone-II)**
10.00 mm	0	0	0	100.00	**100**
4.75 mm	240	240	8.00	92.00	**90 - 100**
2.36 mm	270	510	17.00	83.00	**75 - 100**
1.18 mm	410	920	30.67	69.33	**55 - 90**
0.600 mm	470	1390	46.33	53.67	**35 -59**
0.300 mm	820	2210	73.67	26.33	**8-30**
0.150 mm	562	2772	92.40	7.60	**0 - 10**
Pan	228	3000			- -

Remarks : Satisfactory / Not Satisfactory

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Clients	Bruhat Bangalore Mahanagara Palike				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	M/S, KRIDL Banglore				
Total Weight:	10000	gms			
SIEVE ANALYSIS					
Type of Material	20 mm down size		**Proposed Use**	Concrete	
Sample Location	At Plant		**Date of Sampling**	24/05/18	
			Date of Testing	24/05/18	
IS Sieve Size	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing**
40.00 mm	0	0	0	100	**100**
20.00 mm	318	318	3.18	96.82	**95 - 100**
10.00 mm	4625	4943	49.43	50.57	**25 - 55**
4.75 mm	4520	9463	94.63	5.37	**0 - 10**
Pan	537	10000			
Remarks :	Satisfactory / Not Satisfactory				

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Contractor	M/S, KRIDL Banglore				
Total Weight:	10000	gms			
SIEVE ANALYSIS					
Type of Material	20 mm down size		**Proposed Use**	Concrete	
Sample Location	At Plant		**Date of Sampling**	24/05/18	
			Date of Testing	24/05/18	
IS Sieve Size	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing**
40.00 mm	0	0	0	100	**100**
20.00 mm	305	305	3.05	96.95	**95 - 100**
10.00 mm	4570	4875	48.75	51.25	**25 - 55**
4.75 mm	4540	9415	94.15	5.85	**0 - 10**
Pan	585	10000			
Remarks :	Satisfactory / Not Satisfactory				

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TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

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Project	Construction of Multi Utility Building for Allalsandra Swimming Pool in Ward No. 04				
Clients	Bruhat Bangalore Mahanagara Palike				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	M/S, KRIDL Banglore				
Total Weight:	10000	gms			
SIEVE ANALYSIS					
Type of Material	20 mm down size		**Proposed Use**	Concrete	
Sample Location	At Plant		**Date of Sampling**	24/05/18	
			Date of Testing	24/05/18	
IS Sieve Size	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing**
40.00 mm	0	0	0	100	**100**
20.00 mm	270	270	2.70	97.30	**95 - 100**
10.00 mm	4568	4838	48.38	51.62	**25 - 55**
4.75 mm	4500	9338	93.38	6.62	**0 - 10**
Pan	662	10000			
Remarks :	Satisfactory / Not Satisfactory				

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Project	Construction of Multi Utility Building for Allalsandra Swimming Pool in Ward No. 04
Clients	Bruhat Bangalore Mahanagara Palike
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	M/S, KRIDL Banglore
Total Weight:	10000 gms

SIEVE ANALYSIS

Type of Material	20 mm down size	**Proposed Use**	Concrete
Sample Location	At Plant	**Date of Sampling**	24/05/18
		Date of Testing	24/05/18

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	**100**
20.00 mm	280	280	2.80	97.20	**95 - 100**
10.00 mm	4365	4645	46.45	53.55	**25 - 55**
4.75 mm	4682	9327	93.27	6.73	**0 - 10**
Pan	673	10000			

Remarks : Satisfactory / Not Satisfactory

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Clients	Bruhat Bangalore Mahanagara Palike				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	M/S, KRIDL Banglore				
Total Weight:	10000	gms			
SIEVE ANALYSIS					
Type of Material	20 mm down size		**Proposed Use**	Concrete	
Sample Location	At Plant		**Date of Sampling**	24/05/18	
			Date of Testing	24/05/18	
IS Sieve Size	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing**
40.00 mm	0	0	0	100	**100**
20.00 mm	268	268	2.68	97.32	**95 - 100**
10.00 mm	4456	4724	47.24	52.76	**25 - 55**
4.75 mm	4784	9508	95.08	4.92	**0 - 10**
Pan	492	10000			-
Remarks :	Satisfactory / Not Satisfactory				

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Project	Construction of Multi Utility Building for Allalsandra Swimming Pool in Ward No. 04				
Clients	Bruhat Bangalore Mahanagara Palike				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	M/S, KRIDL Banglore				
Total Weight:	10000	gms			
SIEVE ANALYSIS					
Type of Material	12.5 mm down size		Proposed Use	CONCRETE	
Sample Location	Plant		Date of Sampling	24/05/18	
			Date of	24/05/18	
IS Sieve Size (in mm)	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
20.0	0	0	0	100	100
12.5	640	640	6.40	93.60	90-100
10.0	3856	4496	44.96	55.04	40-85
4.75	5100	9596	95.96	4.04	0-10
Pan	404	10000			-

Remarks :	Satisfactory / Not Satisfactory

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Client:	Construction of Multi Utility Building for Allalsandra Swimming Pool in Ward No. 04
Project:	Bruhat Bangalore Mahanagara Palike
Consultants:	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor:	M/S. KRIDL Banglore
Total Weight:	10000 gms

SIEVE ANALYSIS

Type of Material	12.5 mm down size	Proposed Use	CONCRETE	
Sample Location	Plant	Date of Sampling	24/05/18	
		Date of Testing	24/05/18	

IS Sieve Size (in mm)	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
20.0	0	0	0	100	100
12.5	635	635	6.35	93.65	90-100
10.0	4256	4891	48.91	51.09	40-85
4.75	4689	9580	95.80	4.20	0-10
Pan	420	10000			

Remarks : Satisfactory / Not Satisfactory

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